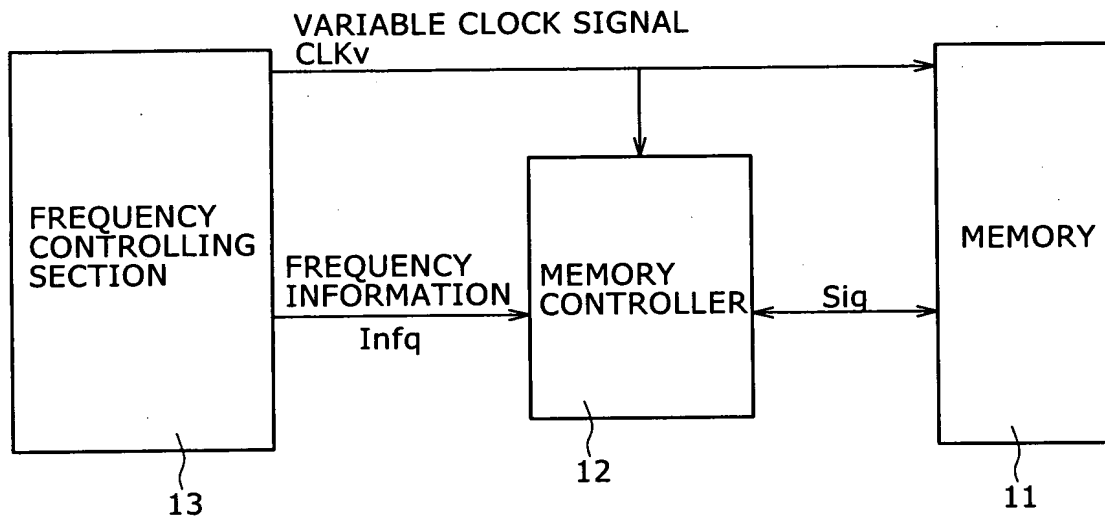


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FIG. 1



**FIG. 2A**

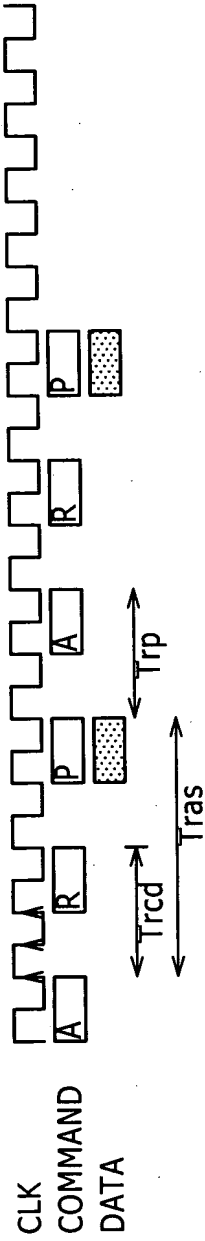
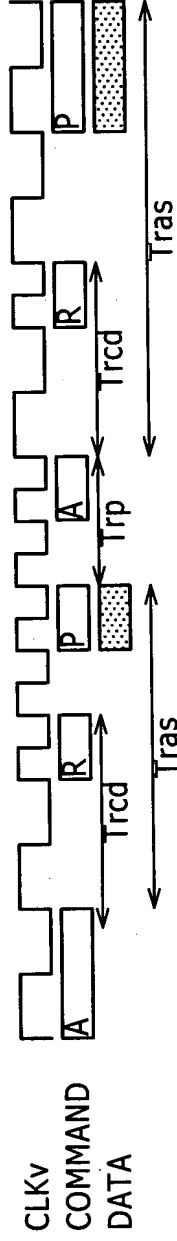
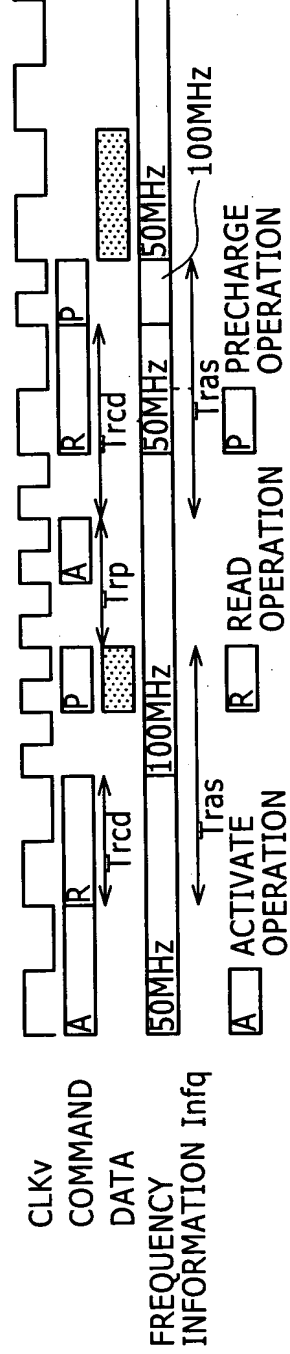


FIG. 2B



**FIG. 2C**



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FIG. 3A

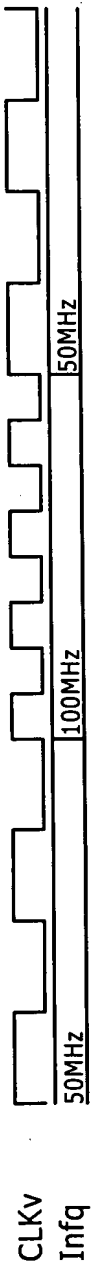


FIG. 3B



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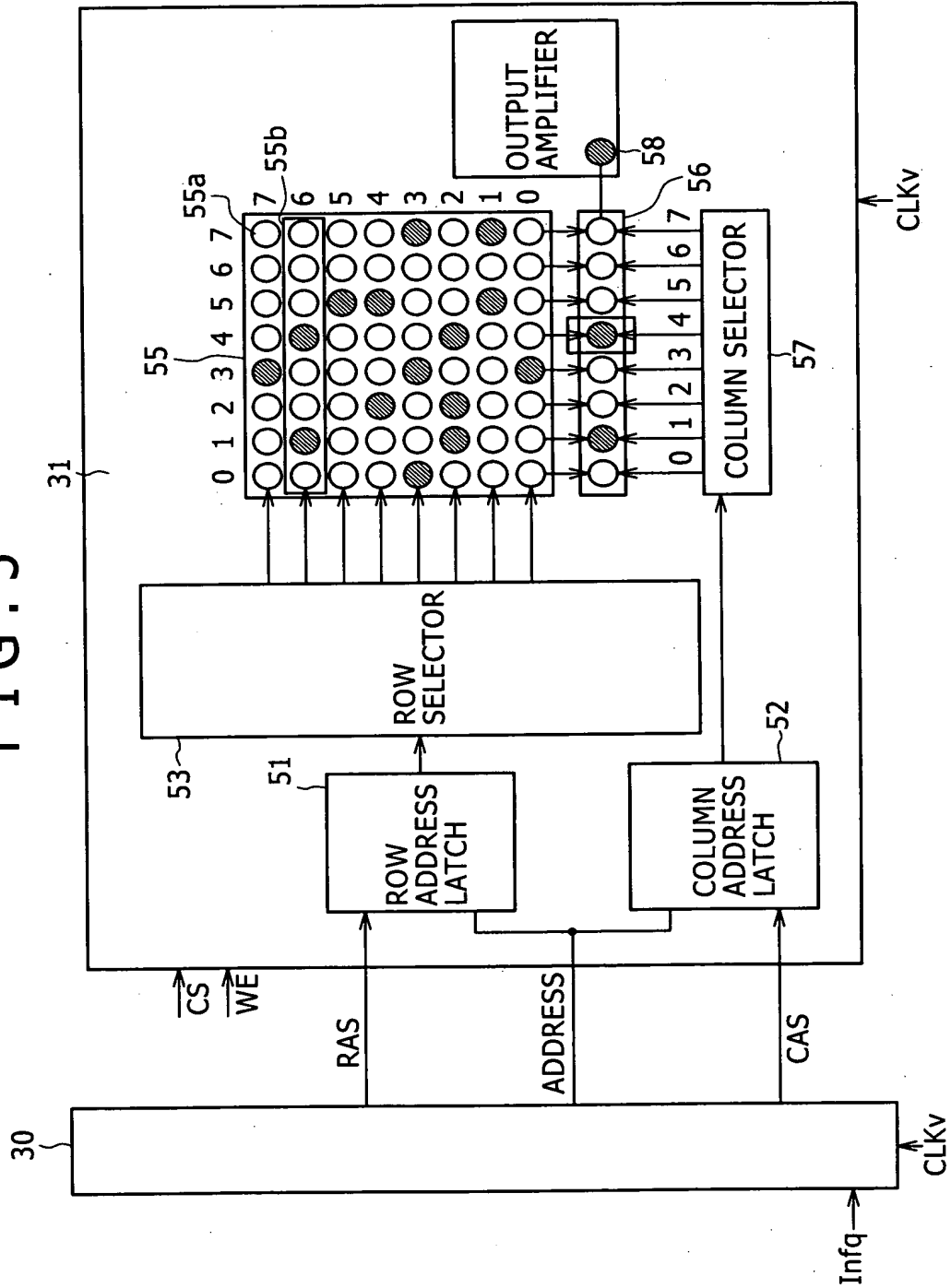
## FIG. 4 A

infq	[1:0]	CLKv
00		10MHZ
01		33MHZ
10		50MHZ
11		100MHZ

## FIG. 4 B

infq	[3:0]	CLKv
10		10MHZ
3		33MHZ
2		50MHZ
1		100MHZ

FIG. 5



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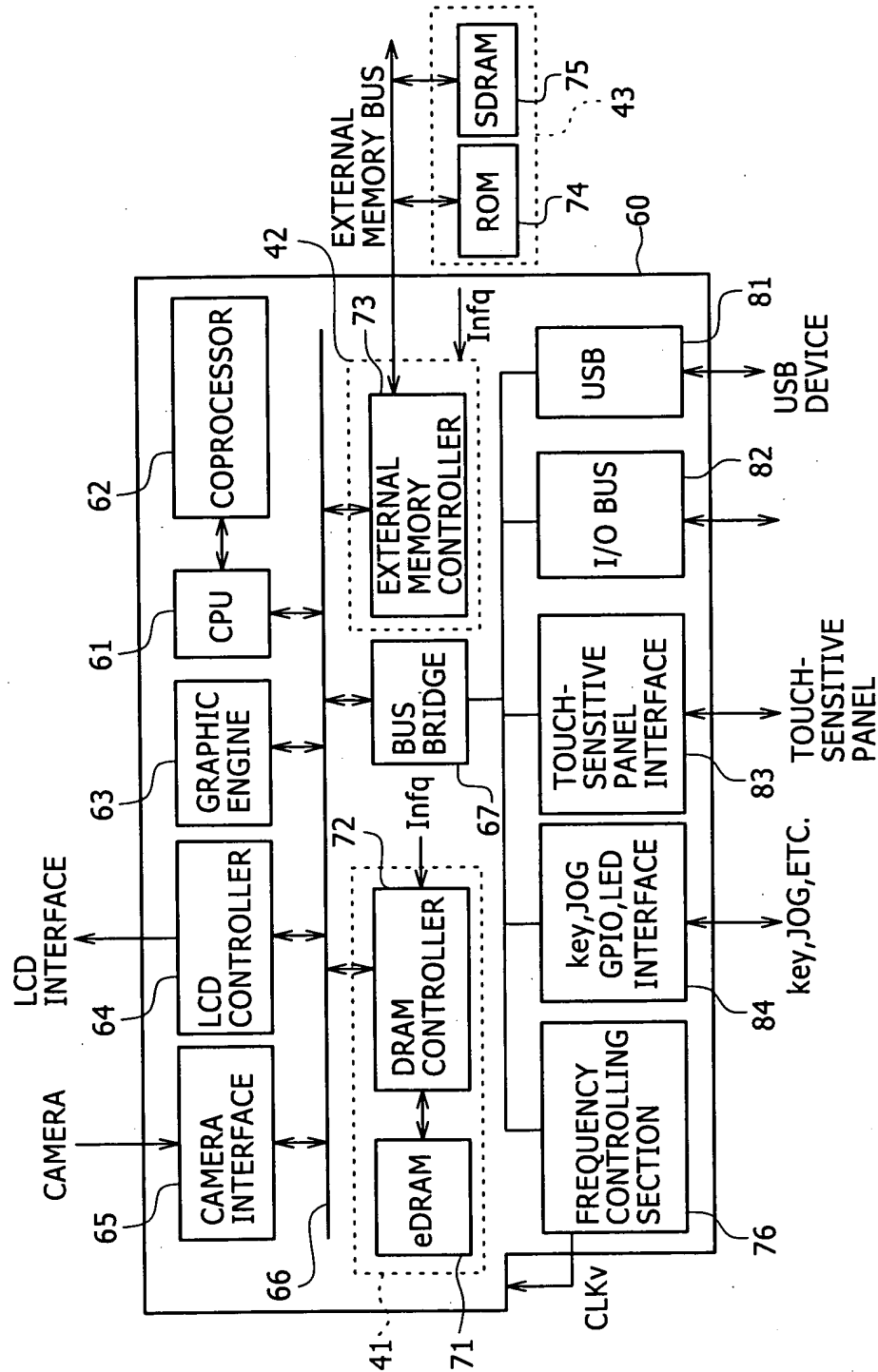
FIG. 6

COMMAND	OPERATION	CS	RAS	CAS	WE	ROW ADDRESS	BANK	COLUMN ADDRESS
DESL	DESELECT	H	X	X	X	X	X	X
NOP	NO OPERATION	L	H	H	H	X	X	X
READ	READ	L	H	L	H	X	V	V
WRITE	WRITE	L	H	L	L	X	V	V
ACT	ACTIVATE	L	L	H	H	V	V	X
PRE	PRECHARGE	L	L	H	L	V	V	X
PALL	PRECHARGE ALL BANKS	L	L	H	L	X	X	X
REF	REFRESH	L	L	L	H	X	X	X
MRS	MODE SET	L	L	L	L	*	*	*
BST	BURST STOP	L	H	H	L	X	X	X

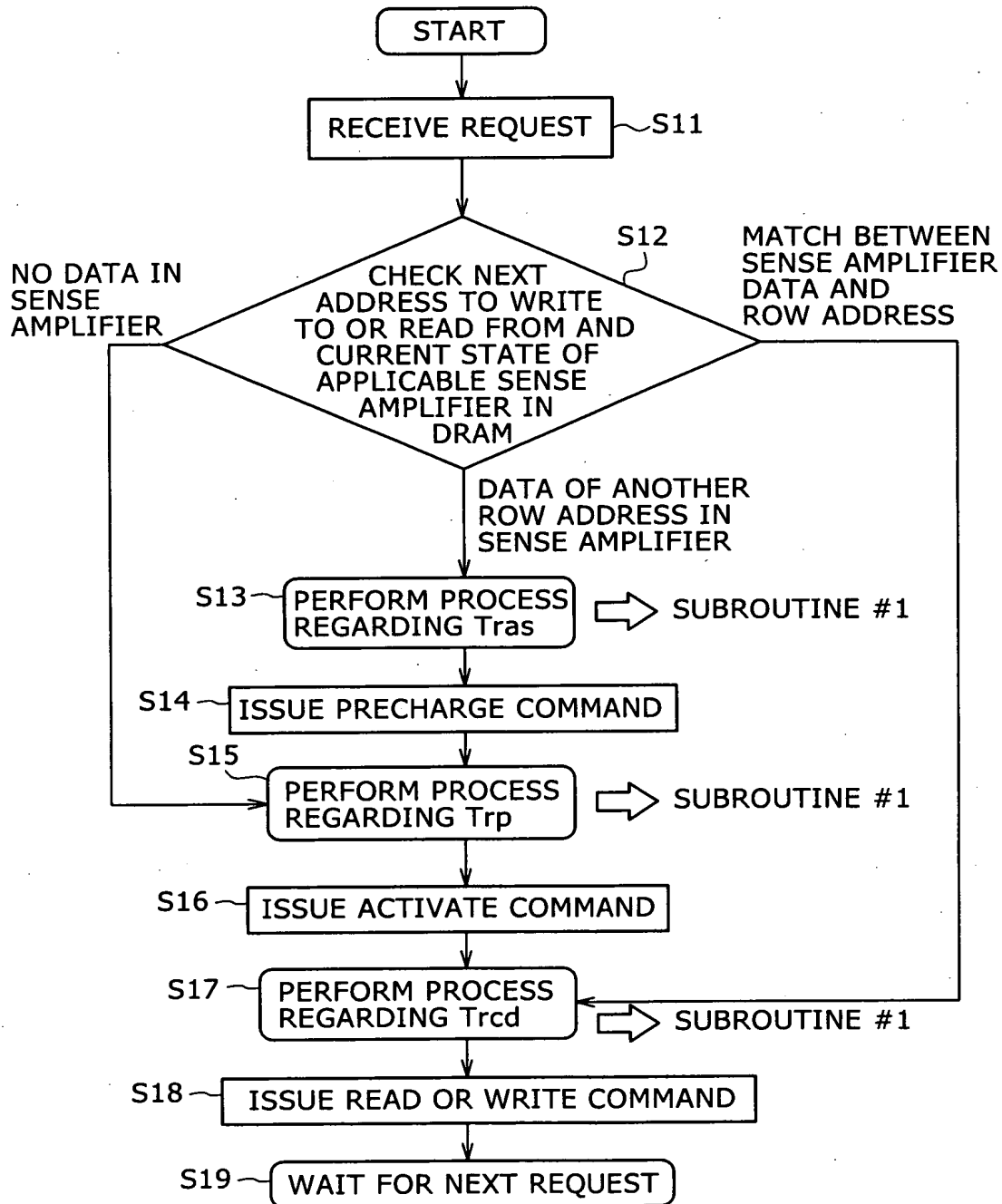
SYMBOL	MEANING
L	0
H	1
X	ANY VALUE
V	VALID (V + MAY MEAN CASES WHERE TWOFOLD INFORMATION IS NEEDED)
*	PARTIALLY VALID

**FIG. 7**



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## FIG. 8





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## FIG. 9

### SUBROUTINE #1

